

Grayson Wireless Geometrix®

Wireless 911 Caller Location System

Deployment & Status Report

June 24, 2002



Geometrix®
Wireless Location System

Update: Grayson Wireless E911 Caller Location System

Grayson System:

- The **First** E911 Phase II-Compliant Location Systems In Commercial Service
- The **Most Deployed** of Any 911 Caller Location System
- The **Only** System to Cover Digital *and* Analog (AMPS) Customers and Roamers
- The **Only** System Available and Tested for GSM
- The **Most Effective** E911 Phase II Solution

The First FCC-Compliant 911 Location Systems In Service

- **Most-Deployed Location System of Any Type**

- ***October, 2001***: St. Clair County, IL
- ***November, 2001***: Lake County, IN
- ***April, 2002***: Cook County, IL
- ***Ready for Service***: Chicago,
St. Louis County,
Greater Harris County (TX)

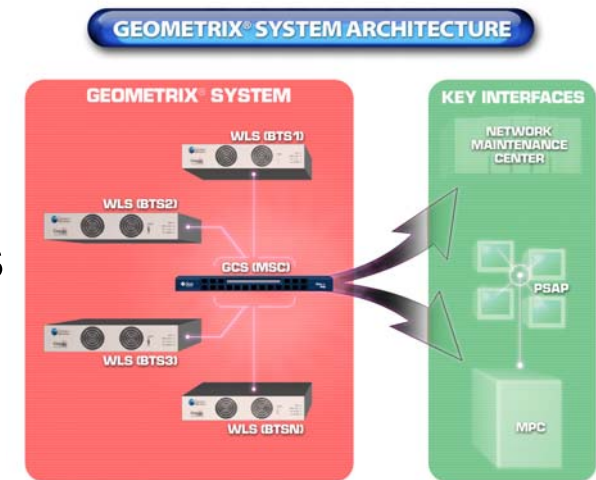


- **Most Geographic and Subscriber Coverage**

- 700 Base Station Installations
- 100s of Thousands of Cellular Users Covered
- Locates Existing Handsets....Digital and Analog

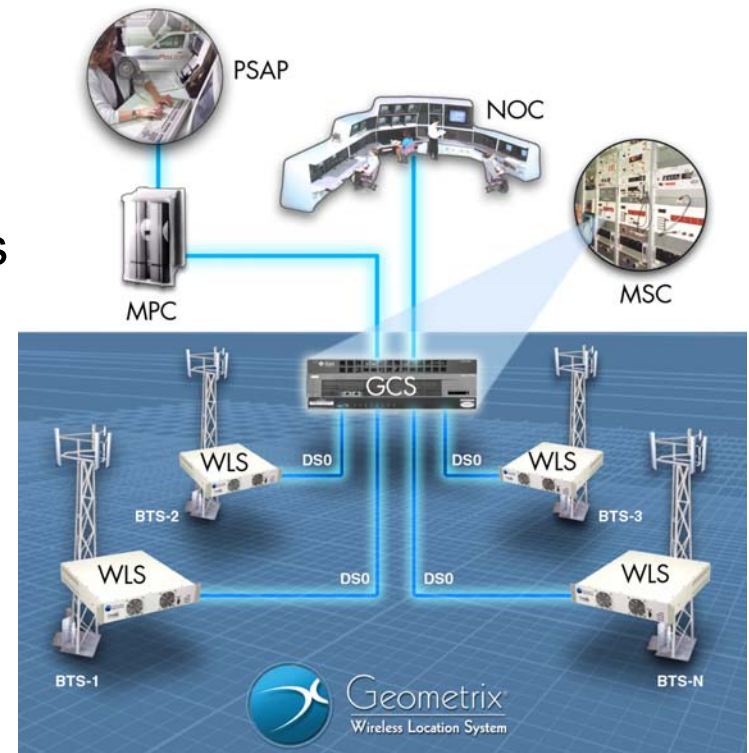
The Most Effective Wireless 911 Location Coverage

- Wireless Users Covered Now
- Immediate Coverage of Entire Market Areas
- Compatible With All Handsets: No Handset Replacement Needed
- Roamers and Unregistered 911 Callers Also Located.
- Covers Recycled Handsets
(Domestic Violence Programs, etc.)
- Covers Digital *and* Legacy AMPS (analog) Users (38% of Cellular Customers)
- Requires No User Involvement or Expense



Proven Performance

- Deployed Systems Delivering FCC-Compliant Performance
- Exhaustively Measured Under Real-World Conditions
 - Consumer Handsets Used for Test Calls
 - “Ground Truth” Test Locations Precisely Established
 - Indoor, Outdoor, Moving, Stationary Test Calls
 - Live Networks
- Accuracy Measurements Filed With FCC



Compatible With All Wireless Technologies

- CDMA: *Installed and In-Service* for Verizon Wireless
- TDMA: *Installation This Year* for AT&T Wireless, Triton PCS, Advantage Cellular, HickoryTech
- GSM: *Tested and Found Phase II-Compliant* by NENA (National Emergency Number Association)
- AMPS: Cellular Digital Installations Include Coverage of AMPS for Legacy, Roamers
- iDEN: No Installations Planned. Carrier Waivers for Handset Solution

Grayson vs. Handset Availability Comparison

	Grayson Solution (Network-Based)	Handset Method		
		Location- Capable Phones	Location Infrastructure	Phones <u>AND</u> Infrastructure
CDMA	Available/ In-Service	Available	Limited	?
TDMA	Available/ Installed	Not Planned	Not Planned	Not Planned
GSM	Available/ Tested	Not Available	Not Available	Not Available
AMPS	Available/ In-Service	Not Planned	Not Planned	Not Planned
iDEN	Available	Not Available	Not Available	Not Available